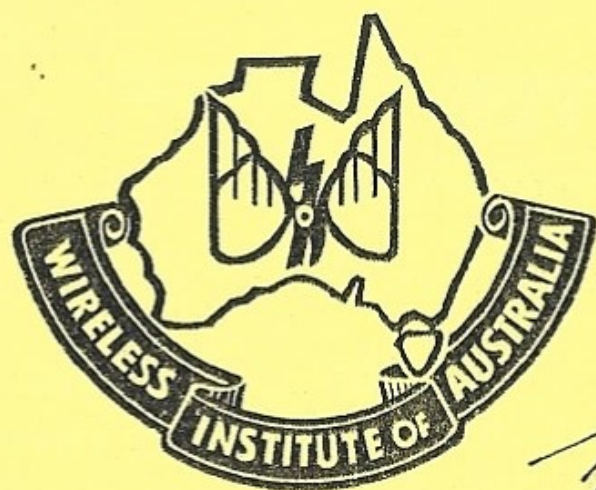


85/10



B.A.R.G. NEWS

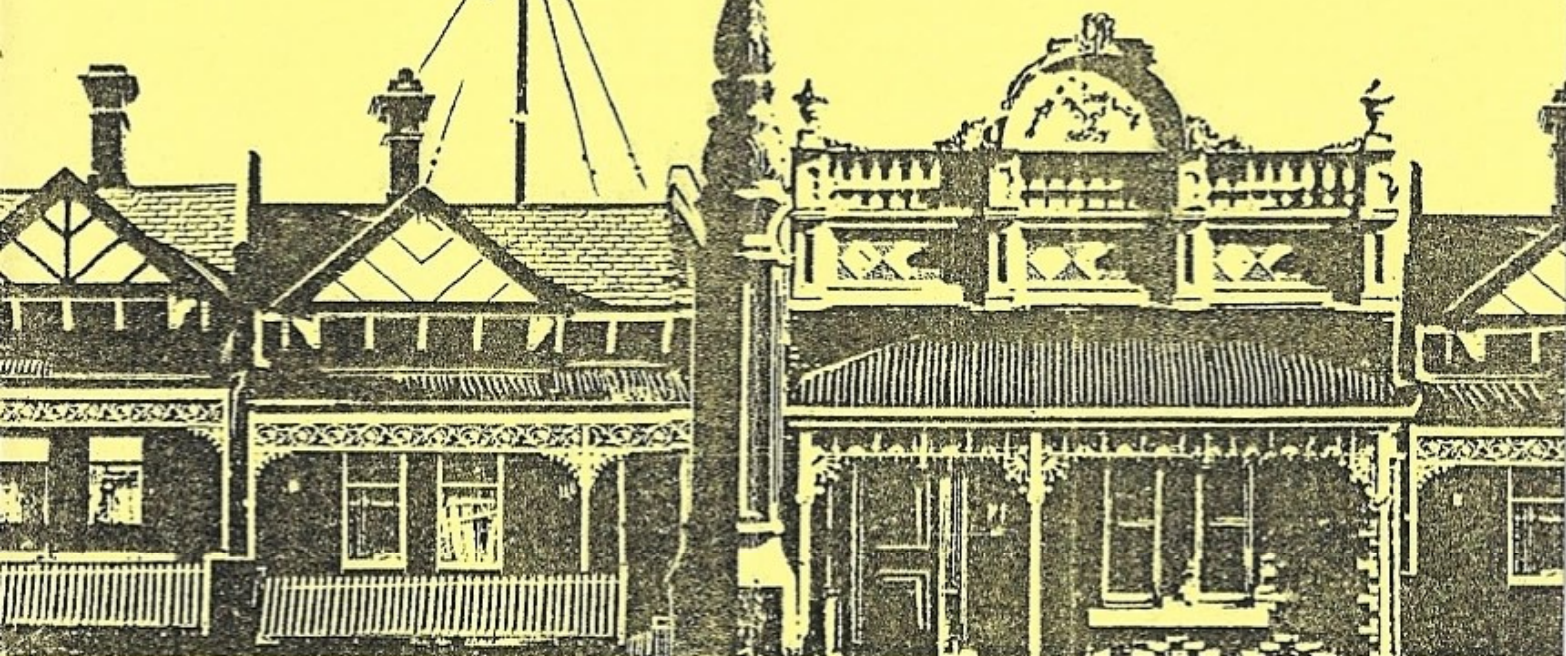
OCT 85

HAMVENTION
2ND - 3RD NOVEMBER.

VK3RBS - STORY INSIDE.

ANTENNA MOUNTING?
WHICH WAY IS BEST?

HAMVENTION



© Monthly Newsletter of the
Ballarat Amateur Radio Group

85/10 2

COMMITTEE

B.A.R.G. OFFICERS 1985-1986

			<u>HOME</u>	<u>BUSINESS</u>
President.	Lou Iaquinto.	VK3 DFI	49 2200	Ext.241 After 4.30
Vice President	Geoff Smith.	VK3 ADB	32 1037	
Secretary	Jim Wright.	VK3 CFB	32 7563	
Asst. Secretary	Dick Forrester.	VK3 VU	35 7663	39 1001
Treasurer	Harry Hekkema.	VK3 KGL	35 7563	39 1001
Technical Officers	Phil Seddon	VK3 AQM	31 5220	31 3166
	Ian Robinson.	VK3 BTX	32 4139	
	Maurie Batt.	VK3 XEX	42 2245	
	Dick Antosiewicz.	VK3 AEX	32 3273	31 1818
Q.S.L. Manager	Cliff Bilston.	VK3 PAF	35 8048	
Awards Manager	Maurie Batt.	VK3 XEX	42 2245	
Publicity Officer	John Hazledine.	VK3 CFH	39 1971	
Education Officer	Bob Terrill.	VK3 BNC	39 5317	39 1001
Property Officer	Dick Antosiewicz.	VK3 AEX	32 3273	31 1818
Newsletter Committee.	Dick Forrester.	VK3 VU	35 7663	39 1001
	Fred Quick.	VK3 NIH	32 3216	32 6455
	Ron Watkins.	VK3 XOA	35 6017	32 1447
	Henry Horitz.	VK3 DXC	35 5130	
Net Co-ordinator	Fred Quick.	VK3 NIH	32 3216	32 6455
W.I.C.E.N. Committee	Dick Antosiewicz.	VK3 AEX	32 3272	31 1818
	Geoff Smith.	VK3 ADB	32 1037	
	Dick Forrester.	VK3 VU	35 7663	39 1001
Committee	Neil Davidson.	VK3 KQQ	35 9612	
	Peter Kenyon.	L30037		
	Evonne Wroe.		42 4376	

B.A.R.G. Meets the LAST FRIDAY of every month at the
 BALLARAT EDUCATION CENTRE, Hopetoun Street. at 7.30 p.m.
 All Correspondence to P.O. Box 216E Ballarat East. 3350 Vic.

Awards Manager, VK3-XEX, R.S.D. Rokewood Junction. Vic.

85/10 3

MINUTES OF THE MEETING

3

Minutes of General Meeting 27th Sept. 1985.

The meeting was opened by President Lou at 8.00pm.

Apologies DXC, NIZ, SE, XEX, NLR, PNP, NQQ, Evonne Rowe.

Minutes as printed and circulated were confirmed. YMW/BTX.

Treasurers report General a/c \$203.63. V.S.&L. \$1531.01.

Q.S.L. Manager Cliff reported no cards in or out.

Net Co-ordinator Fred would like a few more Club stations on net.

Hamvention Kevin reported that acceptances had been received from 7 traders to date but dinner acceptances were slow. It was decided in view of the short time left before the Hamvention that the raffle prize will be a weather station.

General Business The necessary formalities for the incorporation of the Club have now been completed and B.A.R.G. now becomes B.A.R.G. inc. Thanks go to John CFH for attending to this and it was moved BNC seconded NQQ that John become the Public Officer for the Club.

A banner to advertise Club activities was on display thanks to the efforts of Henry DXC, Neal KQQ, Bob BNC and Evonne.

Club members will be visiting the Flight Simulator at Ansett on Friday 18th October.

Repeater The site for the new repeater will be Smeeton Hill and a meeting of the repeater committee will be held at the Education Centre on Wednesday 30th October at 7.30pm.

WICEN Dick AEX attended the WICEN meeting at Shepparton and the next WICEN meeting will be held at the Western Hotel Sturt St, on Saturday 2nd November at 1.00pm.

The meeting closed at 8.50pm and after a coffee break the members were entertained by a most interesting address by Dr. Bob House.

73s Jim CFB.

It is a requirement under the articles of incorporation that members are given official notice of meetings, so here they are.

B.A.R.G. General meeting at Education Centre on 25th October. 7.30pm

B.A.R.G. Committee meeting Education Centre on 20th November. 7.30pm

YOUR SUBS CAN BE PAID TO THE MEMBERSHIP SECRETARY
DICK VK3VU AT THE MEETING OR AT HOME (QTHR)

85/10 4

Ballarat Amateur Radio Group

VK3BML

P.O. BOX 216E
BALLARAT EAST, VICTORIA, 3350

The Ballarat Amateur Radio Group will be conducting the 1985 "HAMVENTION" during the weekend of November 2nd and 3rd 1985.

The venue will be the Sebastopol Football Club rooms located at the Marty Busch recreation reserve 7Km south of the Ballarat Town Hall on the Ballarat-Colac road. There will be a dinner on the Saturday night beginning at 7 p.m. at a cost of \$11.00 per head. Free refreshments will be served from 6-7 p.m. There will be a full bar service available during the evening.

The Sunday venue will also be at the recreation reserve. A full range of Amateur Radio events will begin at 9.30 a.m. with other ladies and children's events conducted during the day. A BBQ lunch and an afternoon tea will be provided at a cost of \$7.00 per head. (Children U12 free). A mystery bus tour has been arranged for non competitors during the afternoon.

Talk-in facilities will be provided on repeater VK3RBA (146.750 Mhz) and also on 3.610 Mhz SSB.

If you wish to attend the dinner on Saturday night then it is important that you book with the Hamvention Convenor, KEVIN HUGHES VK3WN, P.O. Box 216E, BALLARAT EAST 3350 no later than October 27th, 1985. There is a form provided below for your convenience. The club regrets that we are unable to arrange accommodation this year but can recommend several local motels/caravan parks. Please telephone KEVIN HUGHES VK3WN on 053-355011 if you need assistance.

MAKE YOUR DINNER BOOKING TODAY

NAME _____ CALLSIGN _____
ADDRESS _____ TELEPHONE _____
No. ATTENDING DINNER ADULTS _____ CHILDREN _____

PLEASE RETURN TO KEVIN HUGHES, P.O. BOX 216E, BALLARAT EAST 3350, NO LATER THAN OCTOBER 27TH, 1985.

NOTE

HELP IS REQUIRED TO SET UP TRADE DISPLAYS, ANTENNAS ETC ON SATURDAY MORNING, THIS IS YOUR "HAMVENTION", COME ALONG AND HELP, TO HELP MAKE IT A SUCCESS.

MOUNTING OF YAGI AERIALS

So you've made your super x-over-x (or what have you) VHF or UHF Yagi aerial, and with great expectations you shin up your favourite mast or tower, spanner in back pocket, safety belt round your middle. All is set for the XYL to pull the rope and take the new aerial aloft.

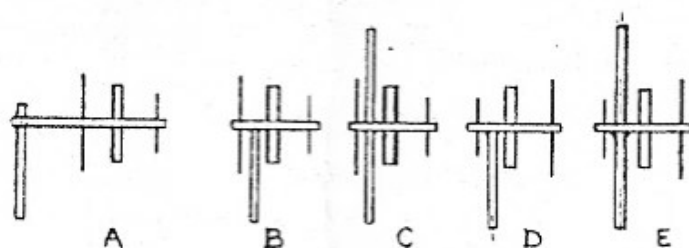
Stop! Are you aware that incorrect mounting may negate your hours of hard labour manufacturing the beastie?

If your aerial is to be horizontally mounted on a vertical pipe or mast of slim dimension, then generally no loss of performance will occur.

However, if your aerial is to be mounted vertically, some loss of performance can be expected if the aerial is mounted with the supporting mast between the aerial elements. The following data attributed to Belling and Lee (Australia) Pty. Ltd. shows the effects of various mounting positions.

3-Element Yagi Tuned to 159.5 MHz, vertically polarised, mounted on a 2 in. o.d. support mast.

FIG.	POSITION	GAIN (db)	BANDWIDTH (MHz)	RESONANT FREQUENCY (MHz)	V.S.W.R. AT DESIGN FREQ.
a.	At masthead of vertical mast behind the reflector.	7	4.5	159.5	1.05
b.	At masthead of vertical mast between driven element and reflector.	6.5	4.5	160.5	1.15
c.	Below masthead on vertical mast between driven element and reflector.	6.25	2.5	160.8	1.19
d.	At masthead of vertical mast between driven element and director.	5.5	4.5	160.6	1.48
e.	Below masthead on vertical mast between driven element and director.	4	—	160.8	1.73



CONT. PAGE 8.

HAMVENTION 2ND-3RD NOVEMBER

HI-TECH REPEATER

85/10 6

A NEW REPEATER FOR THE BALLARAT REGION VK3RBS

I have proposed to the B.A.R.C. to install a new VHF repeater on Smeaton Hill approximately 40km north of Ballarat. This will enable us to have a better coverage of our WICEN Zone when combined with the present channel 3.

The call sign applied for is VK3RBS and the allocated frequency is yet unknown. It is proposed to use the FM828 recently purchased by the club combined with the microprocessor controller designed by VK3AWY (Peter). The controller will enable the repeater to be controlled remotely ie on-off ident, timer reset, timer off etc. using dual tone multi-frequency codes. These codes are used by Telecom for V.F. dialling and are also available on some hand held 2MX trancivers. The control codes will be programmed in the software of the controller and can be changed readily for security purposes. It is proposed that the control codes will not be retransmitted by the repeater therefore maintaining the security of the system.

The whole system with diplexer and back-up battery system will be mounted in a traffic light controller cabinet which has an internal heating element.

The diplexer consisting of 6 cavity resonators (ARRL Design) will be manufactured locally.

The antenna will be a 3dB gain, fibre-glass vertical mounted about 40' above the ground on the existing tower (if permission is forthcoming).

I hope to be able to give the club some more details after the repeater committee meeting (see elsewhere in magazine)

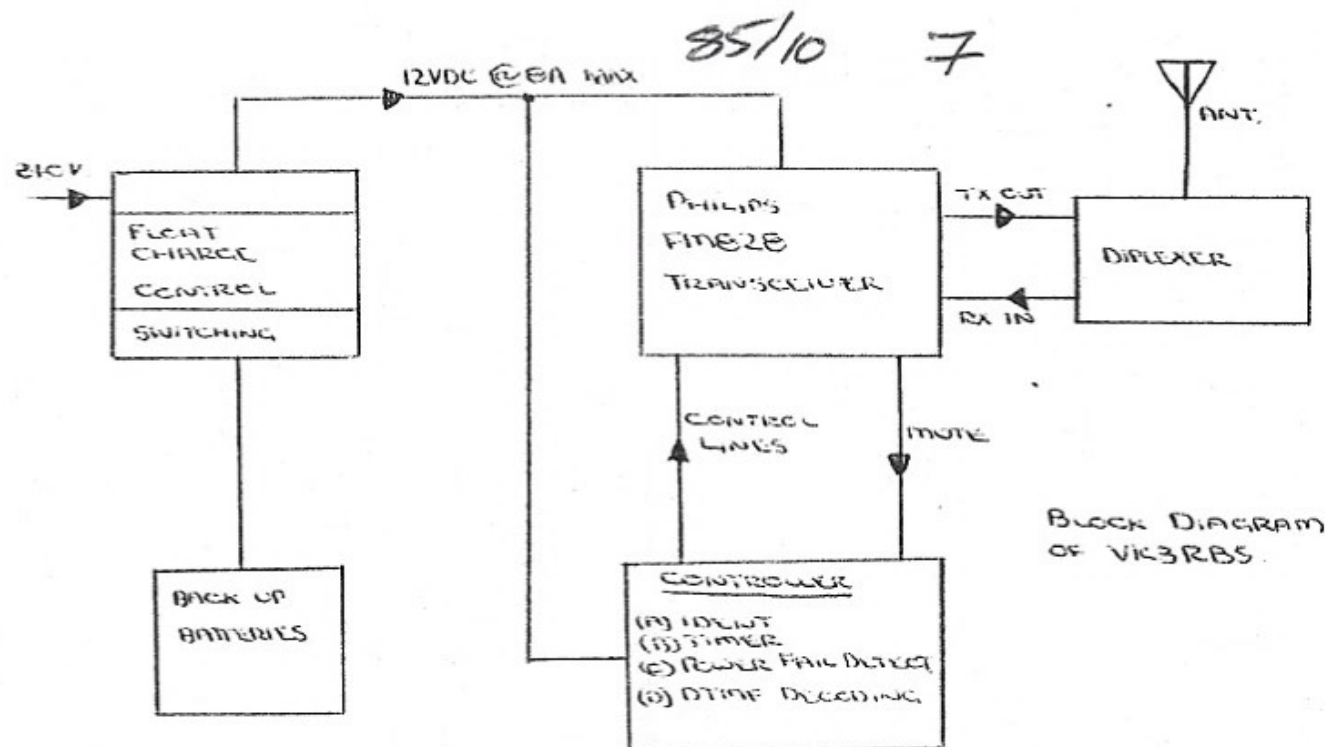
The controller will reduce power output in the event of power fail and put an audible 'beep' on the silent tail to indicate emergency battery operation. This is necessary if it is to be a reliable aid in the event of a bushfire etc. It will also have the facility to provide an intruder alarm which can be stored on a remote receiver having a 'Sel-call' feature. We will not be using this at first but it can be readily provided if required.

This repeater will conform with the standards recommended by the W.I.A. via the Victorian Technical Advisory Committee (V.T.A.C.) It is hoped all repeaters in Victoria will be of this standard which will give W.I.C.E.N. optimum performance with communications across Victoria.

A special high security lock of the 'ABLOY' type will be obtained and will be part of a Master Keyed System for all repeaters in Victoria. The keys are unable to be copied by locksmiths

73/s

Dick VK3VU.



There will be a meeting for all intending repeater committee members on Wednesday October 30th at the Education Centre at 7.30 p.m.

WE HAVE WHAT YOU NEED AT...

WECAM
Communications
Sales & Service
(053)392808

KENWOOD
...pioneer in amateur radio



YAESU



ICOM and others

11 Malmsbury Str. Wendouree 3355--

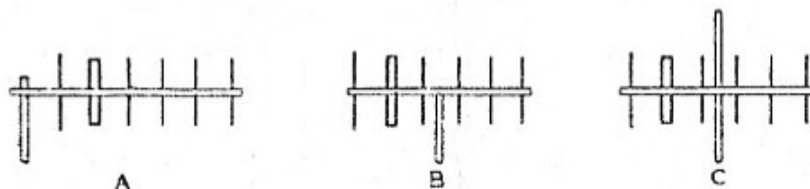
CALL US OR SEE BRIAN STARES, VK3 KQB

COAX, Rotator and L.T. Cable, Plugs and connectors, Transistors and IC's, Aerials and assorted parts always in stock. Call for prices and information.

EVERYTHING FROM A TO Z IN ELECTRONICS

6-Element Yagi Tuned to 161.8 MHz. vertically polarised, mounted on a 2 in. o.d. support mast.

FIG.	POSITION	GAIN (db)	BANDWIDTH (MHz)	RESONANT FREQUENCY (MHz)	V.S.W.R. AT DESIGN FREQ.
a.	At masthead of vertical mast behind the reflector.	10	3.5	161.8	1.13
b.	At masthead of vertical mast between 1st & 2nd directors	9	2.75	163.6	1.38
c.	Below masthead on vertical mast between 1st and 2nd directors.	6	1.9	165.1	2.2



KEVIN VK3WN

Pacific Trip

I would like to let any interested members know of a return trip to the Pacific area. We leave on the 16th Nov. for New Zealand and will have 1 week to operate as ZLØACP in Christ church. Then up to Tonga, On the 23rd Nov. and stay there until the 3rd Jan. 1986. During this time I hope to operate the club station as A35TN. After leaving Tonga we have 10 days in Fiji, but I don't expect to operate my old call 3D2TN. I will try to come up on the club net on Thursdays anyone wanting to QSL please wait until my return.

Ernie Turner VK3DET

FOR SALE

New Heliax 50 ohm LDF4/50ohm 1/2" Inc "N" Connector not fitted
90ft. \$5 METRE

Used Heliax FHJ5/75 ohm 7/8" 1 Connector
App. 100ft. \$150

Abel CT 1000 Rotator Computerised
60ft Cable 12 Core
100ft Cable 12 Core \$500

Mutek Board Model RB251 Suits IC251A \$195 FIRM

Kevin VK3WN

85/10 9

B.A.R.G. LADIES COMMITTEE.

Meeting, 10th October.

MEETING OPENED at 8.30p.m.

APOLIGIES:- Maggi, Nola.

PRESENT:- Karen, Yvonne, Gwen, Betty, Pearl, Jan & June.

Minutes of previous meeting read. Accepted by Karen and seconded by Jan.

BUSINESS ARISING FROM MINUTES.

Booking of Christmas Dinner.

CORRESPONDENCE

Account received for flowers.

TREASURERS REPORT. Read and accepted by June and seconded by Pearl.

GENERAL BUSINESS.

Christmas Hamper as Special Effort. 50c a ticket. Drawn Nov., 3rd. Shopping for B.B.Q., Lunch for Convention discussed.

Ladies to have a stall. All donations welcome.

Christmas Tree Buninyong Gardens. Registration form to be put in Newsletter. Full Social Calender also.

Christmas Dinner. No's by 29th November.

MEETING CLOSED 9.58 p.m.

J.F. Secretary.

SOCIAL CALENDER

CHRISTMAS DINNER. Western Hotel, Private Room, 12th DECEMBER. 7p.m. Choice of whole menu. No's by 29th November.

CHRISTMAS TREE. Buninyong Gardens. 15th December.
B.B.Q., (sausages & salad.)
Lollies, Ice-cream & drinks.
Santa Claus- Gifts for children.
All provided for a Fee of \$2.00 per family.
ADULTS B.Y.O., Refreshments. Registration Form to follow.

LADIES ONLY NIGHT. 13th February, CANTON PALACE.

BEGGARS BANQUET. 22nd February, \$5.00 per family. B.Y.O. Refreshments 7p.m. Gwen Davidson's, 10 Rowlands St., Sebastopol.

Phone:- Yvonne. 424376 Betty. 395317

Karen. 420447 June. 357663

N No's by 13th February 1986.

CHRISTMAS TREE REGISTRATION.

NAME _____ No's Adults _____
No's Children _____ Ages _____
Sex. _____

Enclose \$2.00 PER FAMILY.

Send to Secretary, June Forrester, 201 Darling St., Ballarat. OR
c o P.O. Box 216E.
BALLARAT.

Please reply by 29th November.

HAMVENTION 2ND-3RD NOVEMBER.

85/10 10

85/10



THE CALTEX GREAT VIC BIKE RIDE '85'



THE GREAT VICTORIAN BIKE RIDE 1985

Leaves Wodonga on Nov. 30 and ends on Dec. 8

AGAIN THIS YEAR ! The Wireless Institute of Australia has been asked to provide communications for The Great Victorian Bike Ride '85'

As you may notice the route has been changed this year, not because they don't like us, it was in fact the distraction of our beautiful scenery that led to many accidents and the friendly reception that caused many delays.....

However....some of the operators that provided their operating skills have decided to go the whole hog and have a pedal themselves this year.

So therefore our numbers could be a bit thin on the ground, more volunteers are required to man check-points.

Day Seven-Maryborough to Dayslesford Dec. 6th. 7 to 10 operators reqd. from 8am... 4pm.

Day Eight- Daylesford to Sunbury Dec. 7th. Ditto,

Petrol allowance will be paid, 12.5 cents/Km.

Meals will be provided if camping over-nite (if you fit this bill let me know swisho!)

EQUIPMENT REQUIRED... 80m. 3600Khz 2m's 146.500 (ch 50) and 147.300 (wicen port. rep.)

Good antenna's are essential EG. Dipole for 80 meters and a 5/8 or slim-jim as high as possible for 2 meters.

More information October meeting.

VK3AEX

85/10

11-



WICEN NEWS

FOR DISPLAN REGIONS 1, 15, 16.

REGIONAL CONTACTS.....

VK3ADB Geoff Smith
VK3AEX Dick Antosiewicz
VK3VU Dick Forrester

As the forthcoming fire season fast approaches the need to "be -organised" in this region is still somewhat fruitless unless someone knows the commitment of members at large. Problems existing and unsolved because of the above..... No firm figure of reasonable manpower and state of readiness can be evaluated. These figures are not only for our information but by the following organisations in this district.

- (a) Displan co-ordinator Vic. Police.
- (b) SES
- (c) WICEN co-ordinator Melb.

As you well imagine no force can roll up sure of their strengths and role if they lack the bods to do that job. So as an UP DATE and if you show any interest or not PLEASE fill out the registration form below so that we can gain information of our commitment for 85/86.

WICEN REGISTRATION FORM

(please complete and pass to regional co-ordinator.)

NAME.....

RESIDENTIAL ADDRESS.....

PHONE: HOME..... WORK.....

CALLSIGN..... OCCUPATION.....

HEALTH: Excellent ☐ Good ☐
Fair ☐ Comment.....

HOME STATION HF ☐ VHF ☐ UHF ☐
MOBILE HF ☐ VHF ☐ UHF ☐
PORTABLE HF ☐ VHF ☐ UHF ☐

VEHICLES (please state sedan, etc).....

CALLOUT AVAILABILITY
ANYTIME ☐
MOST TIMES ☐
NEED REASONABLE NOTICE ☐
NOT INTERESTED ☐

85/10 12

BALLARAT

HAMVENTION

1985

Come and be part of the
fun

Trade displays

Competitions and

Many other activities

Sat 2ND Sun 3RD November